Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
Data File : BF092952.D
Acq On : 15 Feb 2017 15:51
Operator : SJ/MA
Sample : PB96964BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB96964BS

**Manual Integrations APPROVED**
mohammad
2/16/2017 11:40:07 AM

Quant Time: Feb 15 16:22:12 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 140715 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.16 | 136 | 624205 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 333732 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 523628 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.03 | 240 | 478309 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.46 | 264 | 386889 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1179979 | 143.87 | ng | | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 1588128 | 150.49 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 918308 | 81.93 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 314576 | 130.33 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1615132 | 87.68 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.98 | 244 | 1400601 | 68.80 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 161644 | 36.47 | ng | | 86 |
| 3) Pyridine | 3.25 | 79 | 457152 | 40.57 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.21 | 42 | 225870 | 42.69 | ng | | 85 |
| 6) Aniline | 6.53 | 93 | 231560 | 16.09 | ng | # | 70 |
| 8) 2-Chlorophenol | 6.66 | 128 | 436271 | 48.21 | ng | | 98 |
| 9) Benzaldehyde | 6.42 | 77 | 99140 | 13.11 | ng | | 92 |
| 10) Phenol | 6.53 | 94 | 528395 | 42.80 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 445714 | 45.23 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 457622 | 43.18 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 485450 | 45.26 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 412728 | 40.24 | ng | | 96 |
| 15) Benzyl Alcohol | 7.01 | 79 | 351774 | 45.02 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 719280 | 42.01 | ng | | 93 |
| 17) 2-Methylphenol | 7.14 | 107 | 384848 | 49.58 | ng | | 95 |
| 18) Hexachloroethane | 7.38 | 117 | 154686 | 42.24 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 293728 | 43.72 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 432671 | 46.62 | ng | | 90 |
| 22) Acetophenone | 7.29 | 105 | 566987 | 39.78 | ng | # | 92 |
| 24) Nitrobenzene | 7.46 | 77 | 502560 | 43.66 | ng | | 93 |
| 25) Isophorone | 7.70 | 82 | 892038 | 42.71 | ng | | 99 |
| 26) 2-Nitrophenol | 7.78 | 139 | 248136 | 45.35 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 389414 | 40.53 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 533190 | 38.54 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 402896 | 44.96 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 393073 | 40.70 | ng | | 97 |
| 31) Naphthalene | 8.18 | 128 | 1264841 | 39.97 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 279231 | 50.80 | ng | | 98 |
| 33) 4-Chloroaniline | 8.22 | 127 | 89278 | 7.19 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 204513 | 38.49 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 119842 | 42.51 | ng | # | 28 |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 412932 | 44.20 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 808456 | 39.79 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 374492 | 39.98 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 342420 | 81.01 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 276425 | 44.91 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 275682 | 40.87 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 980579 | 40.58 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 769147 | 40.69 | ng | | 96 |
| 47) 2-Nitroaniline | 9.46 | 65 | 286603 | 45.09 | ng | | 92 |
| 48) Acenaphthylene | 9.78 | 152 | 1325533 | 40.59 | ng | | 98 |
| 49) Dimethylphthalate | 9.64 | 163 | 1019360 | 45.35 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 193991 | 39.96 | ng | # | 77 |
| 51) Acenaphthene | 9.95 | 154 | 866103 | 44.36 | ng | | 96 |
| 52) 3-Nitroaniline | 9.87 | 138 | 83424 | 15.02 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 195324 | 79.15 | ng | | 94 |
| 54) Dibenzofuran | 10.12 | 168 | 1152317 | 44.12 | ng | | 90 |
| 55) 4-Nitrophenol | 10.04 | 139 | 298833 | 74.68 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.11 | 165 | 304737 | 47.15 | ng | # | 77 |
| 57) Fluorene | 10.46 | 166 | 847659 | 42.19 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 215110 | 47.81 | ng | | 99 |
| 59) Diethylphthalate | 10.34 | 149 | 944647 | 44.59 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 409289 | 42.40 | ng | # | 81 |
| 61) 4-Nitroaniline | 10.49 | 138 | 220267 | 38.71 | ng | | 92 |
| 62) Azobenzene | 10.61 | 77 | 1074176 | 49.08 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 129809 | 41.13 | ng | # | 39 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 737357 | 44.08 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 247591 | 45.26 | ng | # | 80 |
| 67) Hexachlorobenzene | 11.00 | 284 | 226515 | 41.90 | ng | # | 76 |
| 68) Atrazine | 11.10 | 200 | 260040 | 48.44 | ng | | 94 |
| 69) Pentachlorophenol | 11.21 | 266 | 277150 | 97.57 | ng | | 98 |
| 70) Phenanthrene | 11.42 | 178 | 1295213 | 43.17 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 1205560 | 40.02 | ng | | 99 |
| 72) Carbazole | 11.63 | 167 | 1227589 | 42.63 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 1465482 | 47.05 | ng | | 98 |
| 74) Fluoranthene | 12.60 | 202 | 1208745 | 39.06 | ng | | 98 |
| 76) Benzidine | 12.73 | 184 | 268979 | 13.20 | ng | | 96 |
| 77) Pyrene | 12.83 | 202 | 1202533 | 33.60 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 579383 | 39.86 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 1074435 | 36.73 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 228532 | 21.92 | ng | # | 95 |
| 82) Chrysene | 14.05 | 228 | 955090 | 34.87 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 822317 | 41.37 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 1420544 | 43.88 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.88 | 276 | 881580 | 41.55 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.05 | 252 | 1223887m | 48.06 | ng | | |
| 88) Benzo(k)fluoranthene | 15.08 | 252 | 737632m | 33.55 | ng | | |
| 89) Benzo(a)pyrene | 15.40 | 252 | 930265 | 42.23 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.89 | 278 | 730507 | 41.03 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.31 | 276 | 746612 | 41.51 | ng | # | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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